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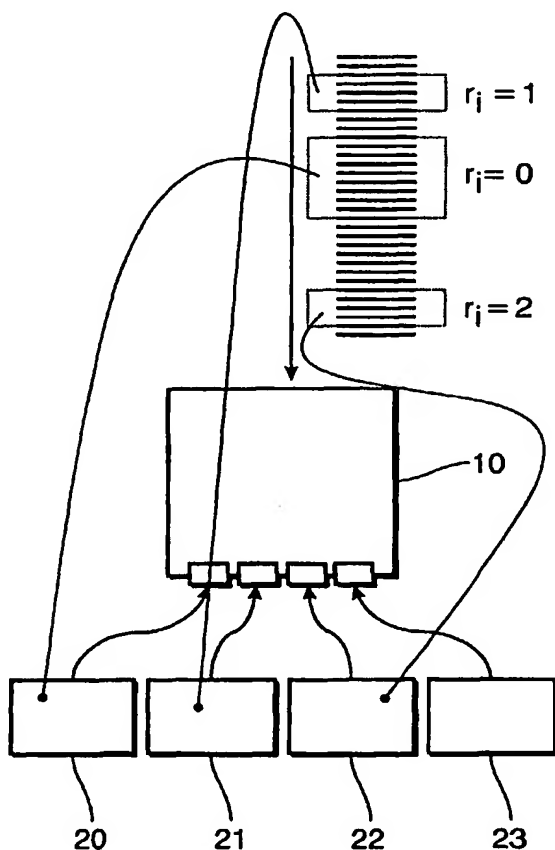
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[Continued on next page]

(54) Title: **AUTOMATIC TASK DISTRIBUTION IN SCALABLE PROCESSORS**



(57) Abstract: The present invention relates to a processing method and apparatus for processing an information based on a sequence of instructions, wherein a repeated sub-sequence is detected in the sequence of instructions and an allocation between a processing resource and said repeated sub-sequence is determined based on an index information indicating the repetition frequency of the repeated sub-sequence. Thus, a combination of a scalable signal processor with automatic task distribution is provided, by means of which the number of memory accesses can be reduced, as the repeated sub-sequence can be allocated to external processing units, which are correspondingly programmed or which use their embedded memory. This also saves power.



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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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